

Ammunition Catalogue

1972



Dynamit Nobel

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Dynamit Nobel

Aktiengesellschaft

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**1 Shotgun Cartridges
Shotgun Cartridge Cases**

2 Centerfire Rifle Cartridges

**3 Centerfire Pistol
and Revolver Cartridges**

4 Rimfire Cartridges

5 Flobert Cartridges

6 Airgun Pellets

7 Primers

**8 Centerfire Blank Cartridges
Signal and Firework Cartridges**

9 Industrial Ammunition

Shotgun Cartridges

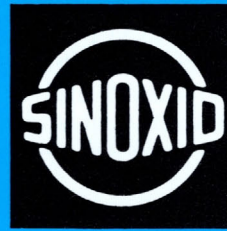
Shotgun Cartridge Cases



Dynamit Nobel

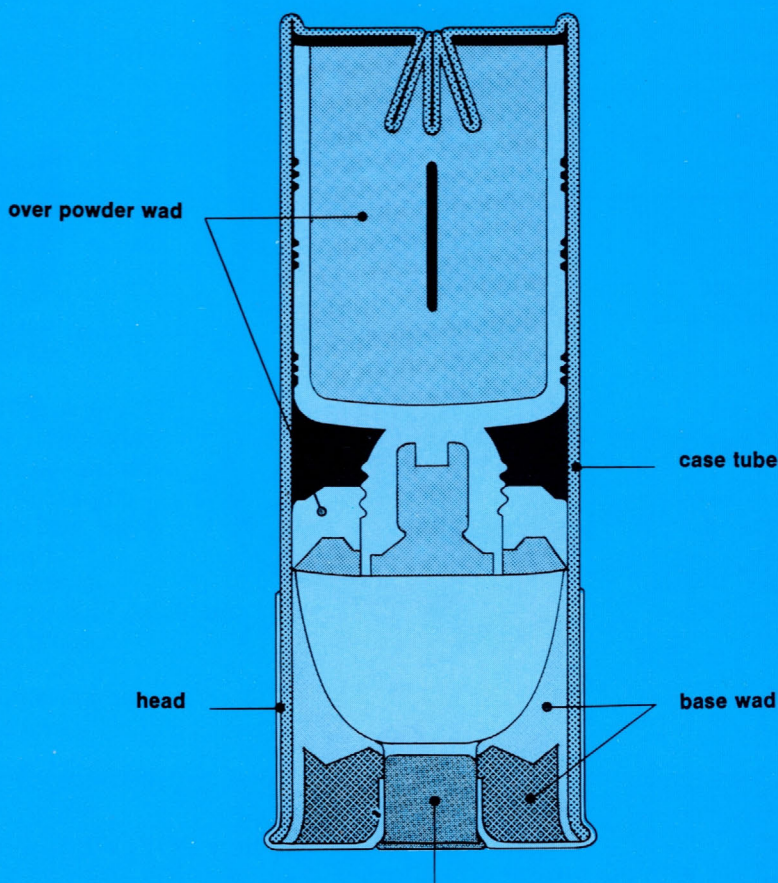


ROTTWEIL-Shotgun Cartridges – created for hunters and marksmen throughout the world. The name ROTTWEIL has stood for quality for decades. Hunters value the equally high energy



ensuring an immediate killing effect on the game. Marksmen rely on the uniformly high velocity and the optimum balance between pattern and dispersion of the shot. World championships achieved with ROTTWEIL-shotgun cartridges prove it.

Intensive research work led to the development of the new ROTTWEIL-shotgun cartridges of to-day.



battery cup primer RW 209 S

The new ROTTWEIL-shotgun cartridges with the new wear-resistant and non-swelling plastic case.



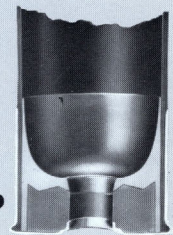
The new ROTTWEIL-shotgun cartridges with specially treated chilled shot, also nickel-plated.

The new ROTTWEIL-shotgun cartridges with first quality ROTTWEIL-powder. High energy, no residues.

The new ROTTWEIL-shotgun cartridges with non-rusting steel head, brass- or zinc-plated.



The new ROTTWEIL-shotgun cartridges with a highly resilient plastic over powder wad with shot cup. Eliminates abrasion of the shot in the barrel. Optimum pattern but insignificant recoil.



The new ROTTWEIL-shotgun cartridges with the gas tight and specially formed base wad consisting of plastic and compressed fibre material. This construction ensures certain functioning in semiautomatics and repeaters.



The new ROTTWEIL-shotgun cartridges with the improved battery cup primers RW 209 S and SINOXID priming composition.

Shotgun Cartridges for Hunting



ROTTWEIL Waidmannsheil, paper



case: paper
 colour: black
 print: silver
 head: 12 mm, steel, brass-plated
 primer: VI with SINOXID priming composition
 over powder wad: greased felt wad
 shot: chilled, specially treated
 closure: rolled
 packing: break package of 10

Order-No.	caliber	case length	shot weight g	shot size		
				mm	German No. American No.	English No.
2.10612.4 ◇	12	65 (2 1/2")	34,5	2,25	8	8
2.10574.8				2,50	7	6 1/2
2.10600.0				3,25	6	5
2.10575.6				3,00	5	4
2.10603.5				3,25	4	3
2.10576.4				3,50	3	1
2.10607.8 ◇				3,75	2	B
2.10577.2				4,00	1	BB
2.10613.2 ◇	12	70 (2 3/4")	36,0	2,00	9	9
2.10626.4				2,25	8	8
2.10578.0				2,50	7	6 1/2
2.10615.9				2,75	6	5
2.10579.9				3,00	5	4
2.10618.3				3,25	4	3
2.10580.2				3,50	3	1
2.10621.3				3,75	2	B
2.10581.0				4,00	1	BB
2.10634.5 ◇	16	65 (2 1/2")	28,5	2,25	8	8
2.10582.9				2,50	7	6 1/2
2.10627.2				2,75	6	5
2.10583.7				3,00	5	4
2.10629.9				3,25	4	3
2.10584.5				3,50	3	1
2.10585.3				4,00	1	BB
2.10647.7 ◇	16	70 (2 3/4")	31,0	2,25	8	8
2.10586.1				2,50	7	6 1/2
2.10635.3				2,75	6	5
2.10588.8				3,00	5	4
2.10639.6				3,25	4	3
2.10589.6				3,50	3	1
2.10643.4 ◇				3,75	2	B
2.10591.8				4,00	1	BB
2.10592.6 ◇	20	65 (2 1/2")	25,5	2,50	7	6 1/2
2.10648.5 ◇				2,75	6	5
2.10593.4 ◇				3,00	5	4
2.10649.3 ◇				3,25	4	3
2.10594.2 ◇				3,50	3	1
2.10595.0 ◇				4,00	1	BB
2.10650.7 ◇	20	70 (2 3/4")	26,5	2,25	8	8
2.10596.9				2,50	7	6 1/2
2.10651.5				2,75	6	5
2.10597.7				3,00	5	4
2.10652.3				3,25	4	3
2.10598.5				3,50	3	1
2.10599.3				4,00	1	BB

ROTTWEIL Waidmannsheil, plastic



case: plastic
 colour: black
 print: silver
 head: 16 mm, steel, zinc-plated, glazed
 primer: Battery cup RW 209 S SINOXID
 over powder wad: plastic with shot cup
 shot: chilled, specially treated
 closure: star crimp
 packing: break package of 10

Order-No.	caliber	case length	shot weight g	shot size		
				mm	German No. American No.	English No.
2.11002.4	12	70 (2 ³ / ₄ "	36,0	2,00	9	9
2.11003.2				2,25	8	8
2.11004.0				2,50	7	6 ¹ / ₂
2.11005.9				2,75	6	5
2.11006.7				3,00	5	4
2.11007.5				3,25	4	3
2.11008.3				3,50	3	1
2.11009.1				3,75	2	B
2.11010.5				4,00	1	BB
2.11011.3				4,25	0	BBB
2.22622.7	16	70 (2 ³ / ₄ "	31,0	2,25	8	8
2.22623.5				2,50	7	6 ¹ / ₂
2.22624.3				2,75	6	5
2.22625.1				3,00	5	4
2.22627.8				3,25	4	3
2.22628.6				3,50	3	1
2.22630.8				3,75	2	B
2.22629.4				4,00	1	BB
☐	20	70 (2 ³ / ₄ "	26,5	2,25	8	8
				2,50	7	6 ¹ / ₂
				2,75	6	5
				3,00	5	4
				3,25	4	3
				3,50	3	1
				4,00	1	BB

ROTTWEIL Stern, plastic



case: plastic
colour: red
print: black
head: 12 mm, steel, brass-plated
primer: battery cup RW 209 S SINOXID
over powder wad: plastic with shot cup
shot: chilled, specially treated
closure: star crimp
packing: break package of 10

Order-No.	caliber	case length	shot weight g	shot size		
				mm	German No. American No.	English No.
2.22476.3	12	67,5 (2 ⁵ / ₈ ")	34,0	2,25	8	8
2.22477.1				2,50	7	6 ¹ / ₂
2.22479.8				2,75	6	5
2.22475.5				3,00	5	4
2.22480.1				3,25	4	3
2.22482.8				3,50	3	1
2.22483.6	16	67,5 (2 ⁵ / ₈ ")	29,0	2,50	7	6 ¹ / ₂
2.22484.4				2,75	6	5
2.22485.2				3,00	5	4
2.22486.0				3,25	4	3
2.22487.9				3,50	3	1
2.11130.6 ☐	12	67,5 (2 ⁵ / ₈ ")	34	2,75* with spreader- device	6	5
2.11131.4 ☐	16	67,5 (2 ⁵ / ₈ ")	29	2,75* with spreader- device	6	5

☐ in preparation

*) to achieve the desired dispersion effect, these cartridges are loaded with greased felt wad instead of plastic over powder wad with shot cup.

ROTTWEIL Tiger, plastic



case: plastic
 colour: red
 print: yellow
 head: 8 mm, steel, brass-plated
 primer: battery cup RW 209 S SINOXID
 over powder wad: plastic with shot cup
 shot: chilled, specially treated
 closure: star crimp
 packing: break package of 10

Order-No.	caliber	case length	shot weight g	shot size		
				mm	German No. American No.	English No.
2.22566.2	12	67,5 (2 ⁵ / ₈ ")	32	1,75	10	10
2.22567.0				2,00	9	9
2.22568.9				2,25	8	8
2.22570.0				2,50	7	6 ¹ / ₂
2.22571.9				2,75	6	5
2.22572.7				3,00	5	4
2.22573.5				3,25	4	3
2.22574.3				3,50	3	1
2.22575.1				3,75	2	B
2.22577.8				4,00	1	BB
2.22590.5	16	67,5 (2 ⁵ / ₈ ")	27	1,75	10	10
2.22589.1				2,00	9	9
2.22580.8				2,25	8	8
2.22582.4				2,50	7	6 ¹ / ₂
2.22583.2				2,75	6	5
2.22584.0				3,00	5	4
2.22585.9				3,25	4	3
2.22586.7				3,50	3	1
2.22588.3				3,75	2	B
☐ 2.22588.3	20	67,5 (2 ⁵ / ₈ ")	25,5	2,00	9	9
				2,25	8	8
				2,50	7	6 ¹ / ₂
				2,75	6	5
				3,00	5	4
				3,25	4	3
				3,50	3	1
				3,75	2	B

☐ in preparation Semi-loaded shotgun cartridges on request

ROTTWEIL Brenneke, plastic



case: plastic
 colour: white transparent
 print: bordeaux
 head: 12 mm, steel, brass-plated
 primer: battery cup RW 209 S SINOXID
 packing: break package of 10

Order-No.	caliber	case length	remark
2.11537.9	12	67,5 (2 ⁵ / ₈ "	with Brenneke slug
2.11538.7	16	67,5 (2 ⁵ / ₈ "	with Brenneke slug
2.11539.5	20	67,5 (2 ⁵ / ₈ "	with Brenneke slug

ROTTWEIL Express, plastic



case: plastic
 colour: white transparent
 print: bordeaux
 head: 12 mm, steel, brass-plated
 primer: battery cup RW 209 S SINOXID
 over powder wad: greased felt wad
 closure: rolled
 cover disk: plastic transparent
 packing: break package of 10

Order-No.	caliber	case length	number of pellets	mm	English No.
2.11294.9	12	67,5 (2 ⁵ / ₈ "	43	5,25	AAA
2.11295.7			27	6,20	SSSG
2.11296.5			20	6,80	SSG
2.11297.3			12	7,50	Spec. SG
2.11298.1			9	8,60	SG/LG
2.11300.7	16	67,5 (2 ⁵ / ₈ "	27	5,60	AAAA
2.11301.5			16	6,80	SSG
2.11303.1			9	7,90	SG

Shotgun Cartridges for Competition Shooting



ROTTWEIL Supertrap, plastic



case: plastic
 colour: blue
 print: silver
 head: 16 mm, steel, zinc-plated, glazed
 primer: battery cup RW 209 S SINOXID
 over powder wad: plastic with shot cup
 shot: chilled shot, nickel plated
 closure: star crimp
 packing: break package of 10

Order-No.	caliber	case length	shot weight g	shot size		
				mm	German No. American No.	English No.
2.22613.8	12	70 (2 ³ / ₄ ")	36	2,41	7 ¹ / ₂	7

ROTTWEIL Waidmannsheil, plastic



case: plastic
 colour: black
 print: silver
 head: 16 mm, steel, zinc-plated, glazed
 primer: battery cup RW 209 S SINOXID
 over powder wad: plastic with shot cup
 shot: chilled shot, nickel plated
 closure: star crimp
 packing: break package of 10

Order-No.	caliber	case length	shot weight g	shot size		
				mm	German No. American No.	English No.
2.11462.3 2.11463.1	12	70 (2 ³ / ₄ ")	36	2,25 2,41	T 8 T 7	8 7

ROTTWEIL Stern, plastic



case:	plastic
colour:	red
print:	black
head:	12 mm, steel, brass-plated
primer:	battery cup RW 209 S SINOXID
over powder wad:	plastic with shot cup
shot:	chilled shot, specially treated
closure:	star crimp
packing:	break package of 10

Order-No.	caliber	case length	shot weight g	shot size		
				mm	German No. American No.	English No.
2.22602.2	12	67,5	34	2,25 Trap	T 8	8
2.22603.0		(2 ⁵ / ₈ "		2,41 Trap	T 7	7
2.22601.4	12	67,5	32	2,00 Skeet*	9	9
☐	12	70	32	2,00 with spreader-* device	9	9
		(2 ³ / ₄ "				

* to achieve the desired dispersion effect, these cartridges are loaded with greased felt wad instead of plastic over powder wad with shot cup.

☐ in preparation

ROTTWEIL Tiger, plastic



case: plastic
colour: red
print: yellow
head: 8 mm, steel, brass-plated
primer: battery cup RW 209 S SINOXID
over powder wad: plastic with shot cup
shot: chilled shot, specially treated
closure: star crimp
packing: break package of 10

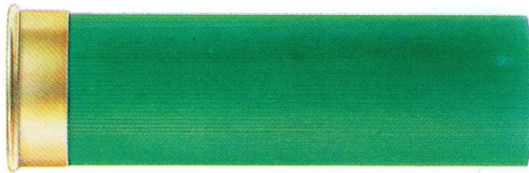
Order-No.	caliber	case length	shot weight g	shot size		
				mm	German No. American No.	English No.
2.22578.6	12	67,5 (2 ⁵ / ₈ "	32	2,00*	T9	9
2.22569.7	12	67,5 (2 ⁵ / ₈ "	32	2,41	T7	7
☐	20	67,5 (2 ⁵ / ₈ "	25,5	2,00	T9	9

* loaded with greased felt wad as over powder wad
☐ in preparation

Shotgun Cartridge Cases



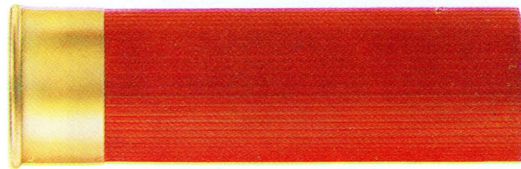
ROTTWEIL-Plastic Cases for Shotgun Cartridges



plastic cases type E 1

8 mm steel head,
brass-plated
67,5 mm case length
battery cup primer
RW 209 S SINOXID

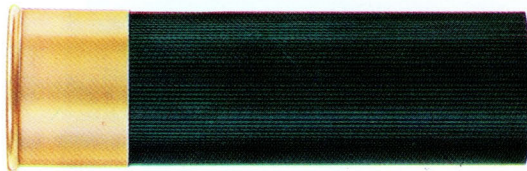
caliber: 12
16
20 ☐



plastic cases type E 2

12 mm steel head,
brass-plated
67,5 mm case length
battery cup primer
RW 209 S SINOXID

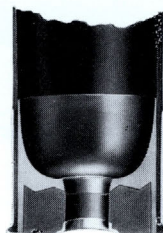
caliber: 12
16



plastic cases type E 3

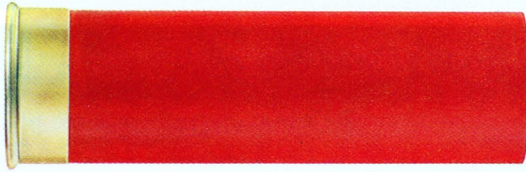
16 mm steel head,
brass-plated
or glazed zinc-plated
70 mm case length
battery cup primer
RW 209 S SINOXID

caliber: 12
16
20 ☐



ROTTWEIL-Plastic Cases
with the patented base
wad of plastic and
specially hardened and
compressed fibre material.
The hardened part ensures
proper and tight fit of the
primer, the plastic part gas
tightness. The shape of the
base wad aids combustion.

ROTTWEIL-Paper Cases for Shotgun Cartridges



paper case type I

8 mm steel head,
brass-plated
65 and 70 mm case length
colour: red, through-
coloured paper, RWS-
primer I reinforced
SINOXID

caliber: 12
16



paper case type III

16 mm steel head,
brass-plated
70 mm case length
colour: black with over
pasted paper
battery cup primer
RW 209 S SINOXID

caliber: 12
16

Paper Cartridge Cases of
different specification,
on request

Centerfire Rifle Cartridges

2



Dynamit Nobel



For many decades
Dynamit Nobel has
produced highly efficient
centerfire rifle cartridges
for hunters and marksmen
throughout the world.

The comprehensive
program comprises
calibers for all hunting
purposes.

Extensive research work
led to the development of
special calibers like
5,6 x 57, 6,5 x 68 and
8 x 68 S.



Precise and uniform
production guarantees
high quality. The use of
anvil primers permits easy
reloading of the
cartridges.

The non-rusting and
non-erosive priming
composition SINOXID
protects the bores of
weapons.

RWS-Centerfire Rifle
Cartridges of Dynamit
Nobel – Do not be satisfied
with substitutes.

A variety of special bullets from DYNAMIT NOBEL makes it easy for the hunter to choose the right bullet for any particular game.

New discoveries in science and technique made this possible.

The types of bullets and their efficiency:

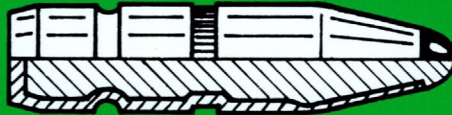
H-Mantle



The H-mantle-bullet is marked by a grooved channel in the jacket of the projectile. The bullet jacket shows in the sectional view an "H", hence H-mantle.

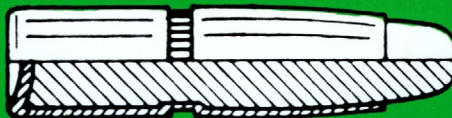
The lead core in front of the grooved channel disintegrates within the body of the animal, chips of the jacket tear off. The bullet part behind the grooved channel maintains its shape and retains sufficient power. Therefore depth effect and exit of the bullet is ensured.

Cone point



Cone point bullets are deformation bullets with little splintering effect. Characteristics of the bullet are: The sharp edge and the conical shape of its point, the groove in the jacket and the maximum guide length even with light weight bullets. The construction of this bullet causes controlled mushrooming within various ranges. The mushroomed projectile hardly loses weight and ensures almost always an exit.

Soft point



Soft point bullets are deformation bullets with high splintering effect. These bullets offer enough energy for effective operation in game, if not fired from too long a range. Due to the high splintering effect the remnant of the projectile does not always make an exit.

Full jacket



The full jacket bullet is mainly constructed for efficiency and does not alter its shape when penetrating the body of the game. It is not a disintegrating bullet. The full jacket bullet of larger calibers has a reinforced point to enable a penetration of strongest bones, e.g. when hunting big game and pachyderms.

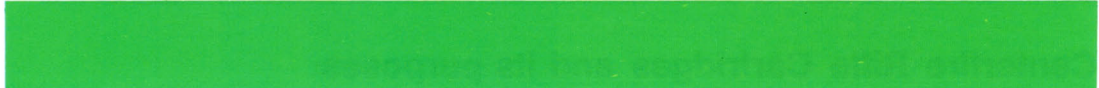
Order-Nr.	caliber	bullet type	bullet		bullet weight grains	Anvil primer No.
			length inches	weight g		
2.11637.5	.22 Hornet	copper soft point pointed	0.55	3,0	46	4033
2.11638.3	.22 Hornet	full jacket	0.55	3,0	46	4033
2.11640.5	.222 Rem.	soft point	0.65	3,25	50	4033
2.11641.3	.222 Rem.	full jacket	0.65	3,25	50	4033
2.11667.7 $\diamond$	5,6×35 R	copper soft point	0.45	2,55	39	Berdan primer
2.11669.3	5,6×52 R	D-Mantle	0.85	4,65	72	5341
2.11670.7	5,6×52 R	full jacket	0.85	4,65	72	5341
2.11671.5	5,6×57	cone point	0.90	4,8	74	5341
2.11672.3	5,6×57	full jacket	0.90	4,8	74	5341
2.11673.1	5,6×57 R	cone point	0.90	4,8	74	5341
2.11675.8	5,6×57 R	full jacket	0.90	4,8	74	5341
2.11681.2	.243 Win.	cone point	0.95	6,2	96	5341
2.11703.7 $\diamond$	6,5×54 M. Sch.	soft point round nose	1.20	10,3	159	Berdan primer
2.11704.5	6,5×57	H-Mantle open hollow p.	1.30	10,0	154	5341
2.11706.1	6,5×57	soft point pointed	0.85	6,0	93	5341
2.11715.0 $\square$	6,5 × 57	cone point	1.10	8,2	127	5341
2.11711.8	6,5×57 R	H-Mantle open hollow p.	1.30	10,0	154	5341
2.11713.4	6,5×57 R	soft point pointed	0.85	6,0	93	5341
2.11709.6 $\square$	6,5 × 57 R	cone point	1.10	8,2	127	5341
2.11717.7	6,5×68	H-Mantle plastic point	1.15	8,5	131	5342
2.11718.5	6,5×68	soft point pointed	0.85	6,0	93	5342
2.11721.5 $\square$	6,5×68	cone point	1.10	8,2	127	5342
2.11723.1	6,5×68 R	H-Mantle plastic point	1.15	8,5	131	5342
2.11722.3	6,5×68 R	soft point pointed	0.85	6,0	93	5342
2.11725.8 $\square$	6,5×68 R	cone point	1.10	8,2	127	5342
2.11728.2	.270 Win.	H-Mantle cop. hollow p.	1.25	10,0	154	5342
2.11729.0	.270 Win.	H-Mantle cop. hollow p.	1.10	8,4	130	5342
2.11731.2 $\diamond$	7×57	H-Mantle lead point	1.25	11,2	173	5341
2.11732.0	7×57	H-Mantle cop. hollow p.	1.35	11,2	173	5341
2.11734.7	7×57	cone point	0.90	7,5	116	5341
2.11735.5	7×57	soft point round nose	1.20	11,2	173	5341
2.11737.1	7×57	soft point round nose	0.94	9,0	139	5341
2.11852.1	7×57	cone point	1.20	10,5	162	5341
2.11742.8 $\diamond$	7×57 R	H-Mantle lead point	1.25	11,2	173	5341
2.11743.6	7×57 R	H-Mantle cop. hollow p.	1.35	11,2	173	5341
2.11745.2	7×57 R	cone point	0.90	7,5	116	5341
2.11746.0	7×57 R	soft point round nose	1.20	11,2	173	5341
2.11748.7	7×57 R	soft point round nose	0.94	9,0	139	5341
2.11854.8	7×57 R	cone point	1.20	10,5	162	5341
2.11751.7	7×64	H-Mantle cop. hollow p.	1.35	11,2	173	5341
2.11754.1	7×64	soft point round nose	1.20	11,2	173	5341
2.11757.6	7×64	cone point	0.90	7,5	116	5341
2.11847.5	7×64	cone point	1.20	10,5	162	5341

$\diamond$ Production suspended, available only while stocks last

$\square$ in preparation

Packing: .22 Hornet, .222 Rem. and 5,6× 35 R in cartons of 20 pcs., all other types in cartons of 10 2/3

Order-Nr.	caliber	bullet type	bullet		bullet weight grains	Anvil primer No.
			length inches	weight g		
2.11759.2	7×65 R	H-Mantle cop. hollow p.	1.35	11,2	173	5341
2.11762.2	7×65 R	soft point round nose	1.20	11,2	173	5341
2.11764.9	7×65 R	cone point	0.90	7,5	116	5341
2.11848.3	7×65 R	cone point	1.20	10,5	162	5341
2.11766.5	.308 Win.	H-Mantle cop. hollow p.	1.20	11,7	181	5341
2.11767.3	.308 Win.	soft point pointed	1.00	9,7	150	5341
2.11768.1	.308 Win.	soft point pointed	1.15	11,7	181	5341
2.11840.8	.308 Win.	Match bullet		12,3	190	5341
2.11849.1 ☐	.30–30 Win.	soft point flat nose	0.90	9,7	150	5341
2.11850.8 ☐	.30–30 Win.	soft point flat nose	1.00	11,0	170	5341
2.11773.8	.30–06 Springf.	H-Mantle cop. hollow p.	1.20	11,7	181	5341
2.11775.4	.30–06 Springf.	soft point pointed	1.00	9,7	150	5341
2.11774.6	.30–06 Springf.	soft point pointed	1.15	11,7	181	5341
2.11781.9 ☐	8×57 J	soft point round nose	1.00	12,7	196	5341
2.11788.6 ☐	8×57 JR	soft point round nose	1.00	12,7	196	5341
2.11790.8 ☐	8×57 JS	H-Mantle lead point	1.05	12,1	187	5341
2.11791.6	8×57 JS	H-Mantle cop. hollow p.	1.20	12,1	187	5341
2.11793.2	8×57 JS	soft point round nose	1.00	12,7	196	5341
2.11795.9	8×57 JS *	soft point round nose	1.00	12,7	196	5341
2.11797.5 ☐	8×57 JRS	H-Mantle lead point	1.05	12,1	187	5341
2.11798.3	8×57 JRS	H-Mantle cop. hollow p.	1.20	12,1	187	5341
2.11800.9	8×57 JRS	soft point round nose	1.00	12,7	196	5341
2.11802.5	8×57 JRS *	soft point round nose	1.00	12,7	196	5341
2.11810.6 ☐	8×60 S	H-Mantle cop. hollow p.	1.20	12,1	187	5341
2.11811.4	8×68 S	H-Mantle cop. hollow p.	1.20	12,1	187	5342
2.11812.2	8×68 S	cone point	1.30	14,5	224	5342
2.11813.0	8×68 S	full jacket	1.00	12,7	196	5342
2.11820.3	9,3×62	H-Mantle cop. hollow p.	1.25	16,7	258	5341
2.11821.1	9,3×62	soft point round nose	1.20	18,5	285	5341
2.11823.8	9,3×62	full jacket	1.20	18,5	285	5341
2.11824.6 ☐	9,3×72 R	copper soft point flat nose	0.80	12,5	193	Berdan primer
2.11826.2	9,3×74 R	H-Mantle cop. hollow p.	1.25	16,7	258	5341
2.11827.0	9,3×74 R	soft point round nose	1.20	18,5	285	5341
2.11828.9	9,3×74 R	full jacket	1.20	18,5	285	5341
2.11845.9 ☐	.375 H&H Magn.	cone point	1.35	19,4	300	5341
2.11846.7 ☐	.375 H&H Magn.	full jacket	1.20	19,4	300	5341
☐ Production suspended, available only while stocks last * Deer-load, marked by a white ring at the primer				☐ in preparation Packing: cartons of 10 pieces		



Allround cartridges with universal bullets – meant for all game – do not exist. The killing power of a cartridge varies according to the size and toughness of the game and the distance of the shot. One and the same cartridge can obviously not be suitable for deer, upland game and all kinds of big game. Consequently hunting cartridges have to be distinguished by caliber, bullet weight, bullet construction and charge of the propellant powder.

DYNAMIT NOBEL as one of the oldest manufacturers of hunting cartridges caters for all these conditions within their extensive production program. Especially the world-known efficiency of the rifle cartridges and the characteristics of the bullets underline this fact.

The cartridges shown on the following pages do not represent the complete production program of DYNAMIT NOBEL. The cartridges were taken from the Ballistic Data Table of Dynamit Nobel, which includes the complete range of RWS-Centerfire Rifle Cartridges. The cartridges shown on the following pages range from calibers 5,6 mm to .375 H & H, grouped according to their special suitability for a particular or more kinds of game of various size and toughness.

To achieve the accuracy of fire a bullet should not be longer than approx. five times it's caliber. Consequently, cartridges for upland or even big game – requiring greater bullet weights – cannot be produced for firing from small-bore rifles.

The medium size calibers of 6,5 to 8 mm are available in a large number of cartridges, which are suitable for hunting of smaller and bigger game like deer and boar. For instance, the cartridges of the calibers 6,5, 7 and 8 mm have a case length of 57, 64 or 65 mm respectively and medium bullet weights of between 10 and 12 grams.

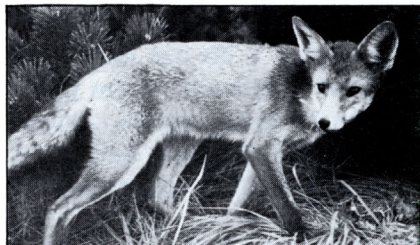
The consistent efficiency of a centerfire rifle cartridge depends not only on the substance of the bullet and its sectional density, but also on the impact velocity and the construction of the bullet.

The comprehensive production program of RWS centerfire rifle cartridges offers every hunter the choice to cover his ammunition requirements for rifles and combination hunting weapons.

The compilation shows the most common hunting cartridges and their purposes; e. g. the cartridge .222 Remington is mainly used for hunting varmint. The thin violet colour-stripe indicates that this cartridge is also sufficient for deer, if fired by a skilled shot.



Centerfire Rifle Cartridges and its purposes



Varmint



Roe Deer



Chamois



**Red deer
Wild boar**



Moose



Big game

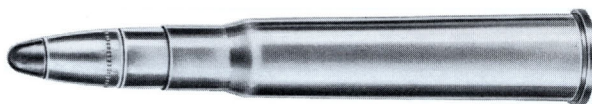
.30-06 Springfield
11,7 g
soft point pointed



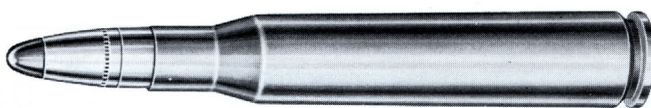
8 × 57 JS
12,7 g
soft point round nose



8 × 57 JRS
12,1 g
H-Mantle copper
hollow point



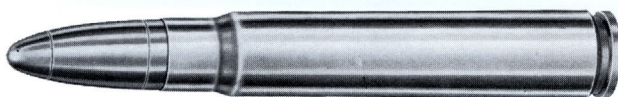
8 × 68 S
12,1 g
H-Mantle copper
hollow point



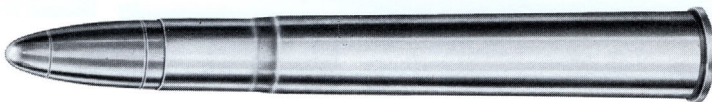
8 × 68 S
14,5 g
cone point



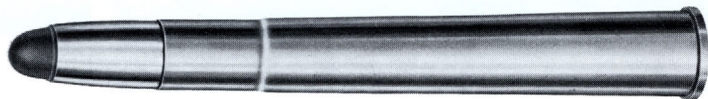
9,3 × 62
16,7 g
H-Mantle copper
hollow point



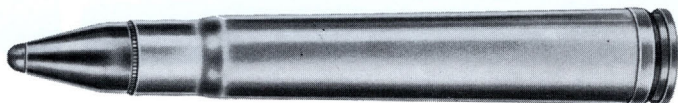
9,3 × 74 R
16,7 g
H-Mantle
copper
hollow point



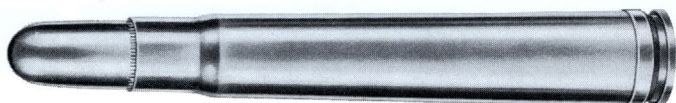
9,3 × 74 R
18,5 g
soft point
round nose



**.375 H&H
Magnum**
19,4 g
cone point



**.375 H&H
Magnum**
19,4 g
full jacket

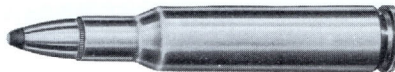


☐ in preparation

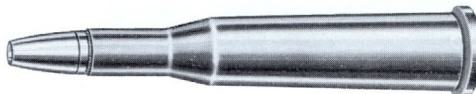
.22 Hornet
3,0 g
copper soft point pointed



.222 Remington
3,25 g
soft point



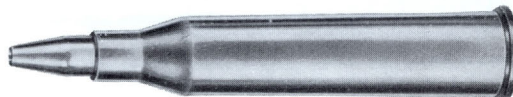
5,6 × 52 R
4,65 g
D-Mantle



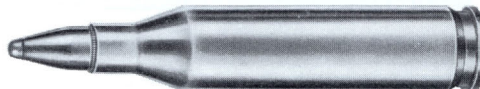
5,6 × 57
4,8 g
cone point



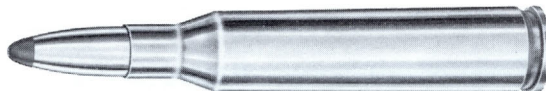
5,6 × 57 R
4,8 g
cone point



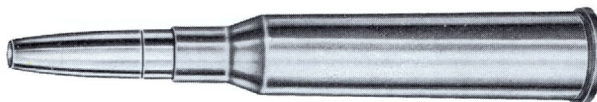
.243 Winch.
6,2 g
cone point



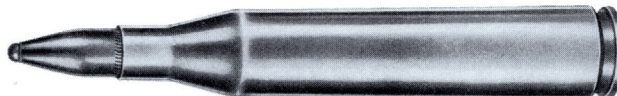
6,5 × 57
6,0 g
soft point pointed



6,5 × 57 R
10,0 g
H-Mantle open
hollow point



6,5 × 68
8,2 g
cone point

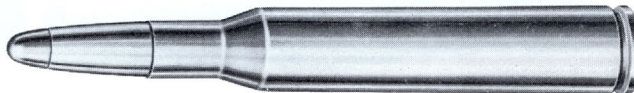


☐ in preparation

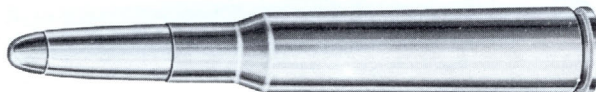
6,5 × 68 R
6,0 g
soft point pointed



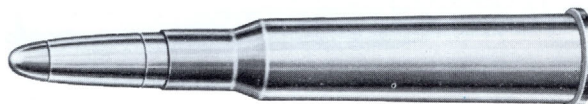
.270 Winch.
10,0 g
H-Mantle copper
hollow point



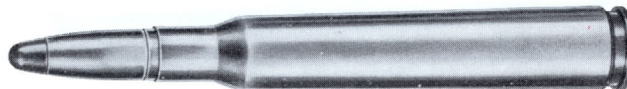
7 × 57
11,2 g
soft point round nose



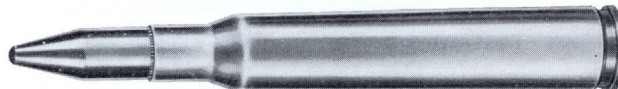
7 × 57 R
11,2 g
H-Mantle copper
hollow point



7 × 64
11,2 g
H-Mantle copper
hollow point



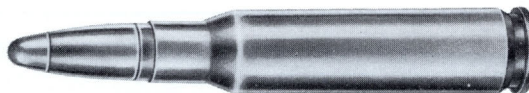
7 × 64
10,5 g
cone point



7 × 65 R
7,5 g
cone point



.308 Winch.
11,7 g
H-Mantle copper
hollow point



.30-30 Winch.
9,7 g
soft point flat nose



☐ in preparation

Centerfire Pistol and Revolver Cartridges

3



Dynamit Nobel



The outstanding characteristics of GECO Centerfire Pistol and Revolver Cartridges are precision and reliability. The excellent reputation of these cartridges is known for competition, hunting and defence purposes throughout the world. The powerful effect of the projectiles, the reliable functioning and the barrel saving features of the SINOXID-priming composition



offer decisive advantages.

Deterioration of powder and priming composition through penetrating of oil into GECO-cartridges is impossible because they are protected by lacquer seals on the case mouth and on the primer.

GECO-cartridges are packed in handy plastic grills for an easy pick up.

GECO-Centerfire Pistol Cartridges

Order-No.	caliber	bullet type	bullet weight		primer	units per box
			g	grains		
2.12518.8	6,35 mm .25 Auto Pistol	full jacket	3,2	49	Berdan 4506	25
2.12545.5	7,65 mm .32 Auto Pistol	full jacket	4,7	73	Berdan 4521	25
2.12556.0	7,65 mm Parabellum .30 Luger	full jacket	6,0	93	Berdan 4521	50
2.12573.0	9 mm short .380 Auto Pistol	full jacket	6,1	94	Berdan 4521	25
2.12602.8	9 mm Parabellum 9 mm Luger	full jacket	8,0	124	Berdan 4521	50
2.12640.0	.45 Automatic	full jacket	14,95	231	Anvil 5337	50



6,35 mm
.25 Auto
Pistol



7,65 mm
.32 Auto
Pistol



7,65 mm Para
.30 Luger



9 mm short
.380 Auto
Pistol



9 mm Para-
bellum
9 mm Luger



.45 Auto-
matic

GECO-Centerfire Revolver Cartridges

Order-No.	caliber	bullet type	bullet weight		primer	units per box
			g	grains		
2.12686.9	.32 S & W	lead round nose	5,7	88	Anvil 4031	50
2.12687.7	.32 S & W long	lead round nose	6,3	98	Anvil 4031	50
2.12691.5	.38 S & W	lead round nose	9,4	146	Anvil 4031	50
2.12688.5	.38 Special	lead round nose	10,25	158	Anvil 4031	50
2.12689.3	.38 Special	Wad Cutter	9,6	148	Anvil 4031	50
2.12639.7	.38 Special	metal point	10,25	158	Anvil 4031	50



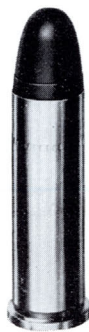
.32 S & W



.32 S & W
long



.38 S & W



.38 Special
lead, round
nose



.38 Special
Wad Cutter



.38 Special
with metal
point

Plastic Training Ammunition

(PT-Ammunition)

PT-Cartridges are perfectly suitable for indoor training. The injection moulded plastic bullet is torn off when firing. Precise target shooting is possible within a distance of 6–8 m (18–25 feet). The report is equal to the one of live ammunition. Maximum range 90 m (270 ft.) only, therefore limited danger area.

Order-No.		caliber	packing	pieces
2.12929.9		7,65 mm	carton	25
2.12930.2		9 mm Parabellum	carton	25
		.38 Spezial ☐		

☐ in preparation

Rimfire Cartridges

4



Dynamit Nobel



The RWS Special Assortment in caliber .22 is so all embracing that it meets every requirement for target shooting and hunting. For each use, each weapon and each event you find your special RWS-Rimfire Cartridge "R" brand.



Intensive research, meticulous care in production and, special methods of checking form the basis of excellent quality. Successful shooters and experienced hunters know that.



R 50 The Successful Match Cartridge



600 out of 600

This outstanding result was achieved at the 1967 German Championship in the English Match Contest.

A rare performance in the field of sport – but at the same time a proof of the absolute precision and uniformity of this cartridge.



R 25 The New Cartridge for "Rapid-Fire-Pistols"



It gives you the chance to markedly better your successes in competitions. The new R 25 (.22 short) has a specially mild recoil. The cartridge is designed for the event "Rapid-Fire-Pistol". The harmony between weapon and cartridge is perfect. R 25 is tuned for high precision, accurate functioning and absolute uniformity.



.22 I.r. Standard

The approved standard cartridge for training – competition and for varmint hunting. The accuracy of fire and reliability allow shooters all over the world to succeed in target shooting and in hunting.

Order-No.: 2.13247.8

Case: brass, nickel-plated

Bullet: lead 2,55 g / 39 grains



.22 I.r. Standard "Match"

A selected cartridge with special precision, universally suitable for training and competition.

Order-No.: 2.13245.1

Case: brass, nickel-plated

Bullet: lead 2,55 g / 39 grains



.22 I.r. R 50

The special Match-Cartridge for competition shooting. Rigorous production controls result in outstanding quality. With this cartridge world records, world championships and Olympic victories have been achieved.

Order-No.: 2.13418.7

Case: brass, nickel-plated

Bullet: lead 2,55 g / 39 grains



Z.22 long

The cartridge with specially reduced charge. This cartridge gives precision shooting up to 25 m. Especially suitable for indoor shooting.

Order-No.: 2.13275.3

Case: tombac brassed

Bullet: lead 1,8 g /
28 grains



.22 short Standard

The cartridge for all weapons .22 short, loaded for accurate function and high precision in single- and autoloaders.

Order-No.: 2.13278.8

Case: copper nickel-plated

Bullet: lead 1,8 g /
28 grains



.22 short R 25

A special Match-Cartridge for the event "Rapid-Fire-Pistol". Special features: minimum recoil, high precision, accurate function and uniformity in suitable rapid-fire-pistols.

Order-No.: 2.13427.6

Case: copper nickel-plated

Bullet: lead 1,8 g /
28 grains





.22 I.r. HV Hollow Point

Hollow point increases bullet's effectiveness. Especially suited for hunting varmint.

Order-No.: 2.13249.4

Case: brass, nickel-plated

Bullet: lead, copper-plated with hollow point, 2,55 g / 39 grains



.22 I.r. HV Solid

The high-speed cartridge for the hunter. Flight velocity of the bullet is higher, trajectory flatter than the .22 I.r., impact energy correspondingly higher.

Order-No.: 2.13248.6

Case: brass, nickel-plated

Bullet: lead, copper-plated, 2,55 g / 39 grains



.22 Magnum Full Jacket .22 Magnum Soft Open H.P.

The fast powerful rimfire cartridge for varmint shooting. Either with soft point bullet with optimum effect on the game or with full jacket bullet for game to be preserved afterwards.

Order-No.: 2.13307.5 –

soft point bullet

2.13308.3 –

full jacket bullet

Case: brass

Bullet: soft point bullet

2,6 g / 40 grains

full jacket bullet

2,6 g / 40 grains

Flobert Cartridges

5



Dynamit Nobel



RWS-Flobert Cartridges –
a standard product of
Dynamit Nobel for more
than 50 years. Known as
“ACORN” cartridges
throughout the world,
because of their
outstanding quality.



Their applications are manifold, i. e. as a blank cartridge,
a cartridge with round or conical bullet (BB and CB caps), or as
a small shot cartridge. All with SINOXID priming composition.

The genuine, non-corrosive and non-mercuric SINOXID-
priming composition is well-known for its reliable ignition.

Nearly unlimited shelf life. No residues, consequently no
rusting and erosion of the barrel.



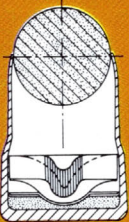


Article	order-No.	caliber and type	packing	pieces
	2.13026.2	6 mm (.22) blank cartridge, crimped	round tin	100
	2.13027.0	6 mm (.22) blank cartridge, crimped	round tin	50
	2.13050.5	6 mm (.22) round bullet (BB cap)	round tin	100
	2.13052.1	6 mm (.22) conical bullet (CB cap)	round tin	100
	2.13099.8	9 mm round bullet	round tin	50
	2.13142.0	9 mm shot, double charge, all metal case	cardboard box	50

Article	order-No.	description	packing	pieces
	2.13164.1	4 mm short	round tin	100
	2.13167.6	4 mm short, with ball No. 7	round tin	100
	2.13166.8	4 mm long	round tin	100
	2.13168.4	4 mm long, with ball No. 7	round tin	100

RWS-Flobert Cartridges, caliber 4 mm, "ACORN" brand excel especially in their regularity. Their precision is important for shooting with the Zimmerstutzen (gallery rifle) – a national competition of the German Shooting Association.

RWS Practice Ammunition, caliber 4 mm, "U" brand, is used for subcaliber barrels. Training at short range with the usual hunting weapon has been made possible by this specially designed type of ammunition.

	order-No.	description	packing	pieces
	2.13225.7	4 mm M 20, without rim	round tin	100
	practice ammunition sectional view = 3 : 1			

Airgun Pellets

6



Dynamit Nobel



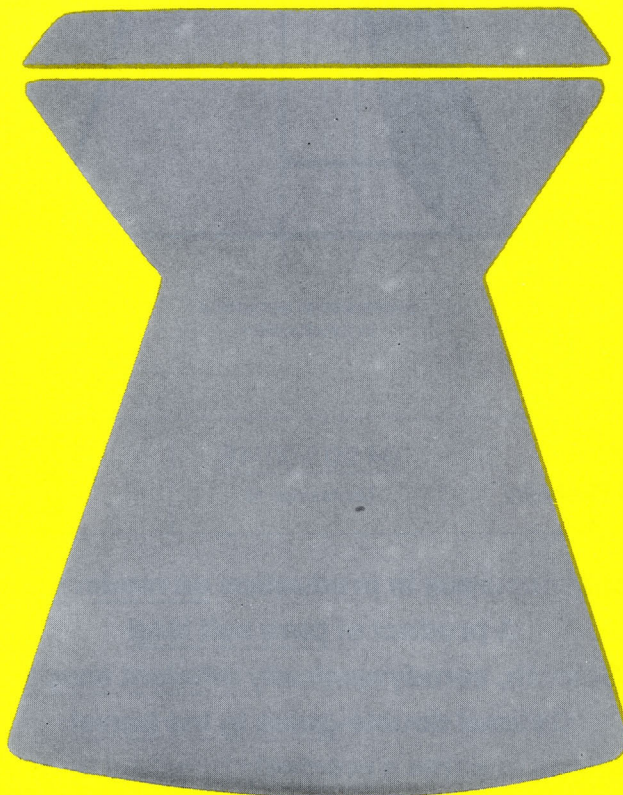
RWS-Airgun Pellets
"SQUIRREL" brand are
available in both calibers
for airguns with rifled and
smooth barrels. Apart from
the world-renowned
"MEISTERKUGELN"



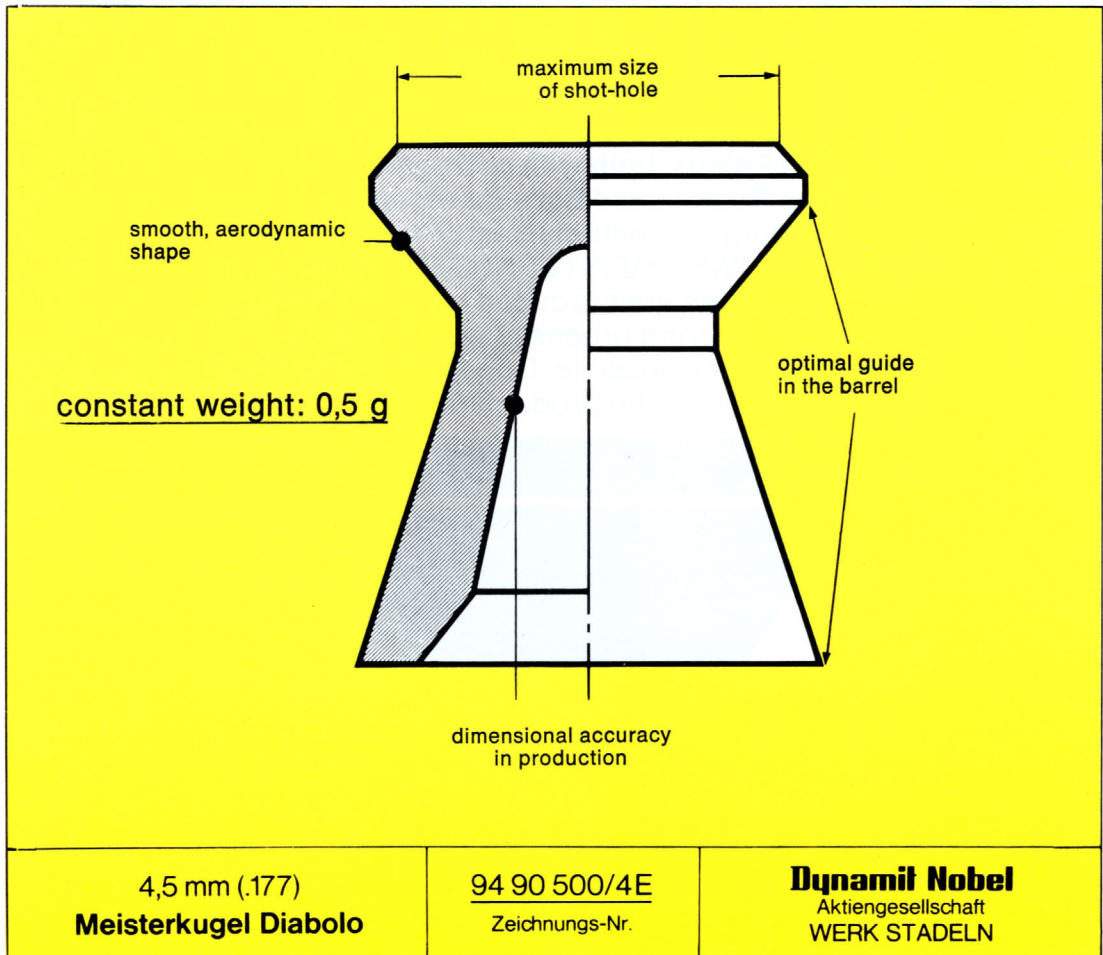
with smooth surface for
competition and for training, the production program comprises
Diabolo-Pellets and for leisure-time the low priced
HOBBY-Airgun Pellets, both with corrugated surface, as well
as Round Lead Balls for repeaters.

The leading international marksmen shoot the
RWS-"MEISTERKUGELN".

RWS-Airgun Pellets are produced by modern machinery.
A special manufacturing process makes the maintenance of
minimal tolerances possible. Only pure soft lead is used
in the production.



Impressive Characteristics of RWS-Meisterkugeln (master pellets) "Squirrel" Brand



Dimensional accuracy in production on modern machinery

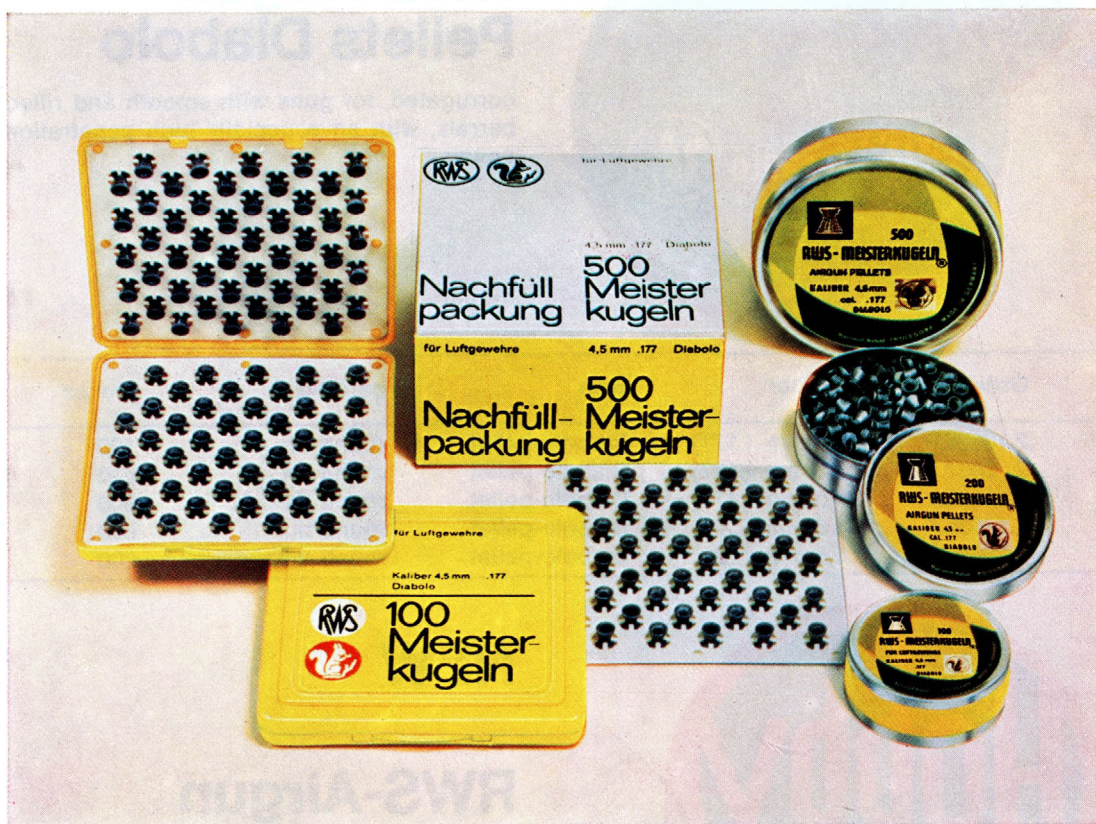
A product of pure soft lead

Smooth, aerodynamically efficient shape

Optimal double-guide in the barrel

The head shape ensures a precisely punched large shot-hole

High grade RWS-MEISTERKUGELN (master pellets) "SQUIRREL" brand, smooth surface, for practice- and competition shooting with airguns and air pistols with smooth and rifled barrels.



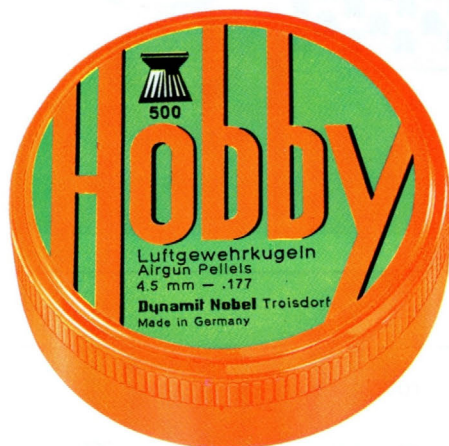
Order-No.	caliber	type	packing	pieces
2.13594.9	4,5 mm (.177)	Meisterkugel (master pellet)	round tin	100
2.13595.7	4,5 mm (.177)	"	round tin	200
2.13596.5	4,5 mm (.177)	"	round tin	500
2.13589.2	4,5 mm (.177)	"	plastic folder box	100
2.13590.6	4,5 mm (.177)	"	refill pack	500
2.13611.2	4,5 mm (.177)	"	competition-set	600
2.13593.0	5,5 mm (.22)	"	round tin	500



RWS-Airgun Pellets Diabolo

corrugated, for guns with smooth and rifled barrels, with an especially high penetration power.

Order-No.	caliber	type	packing	pieces
2.13626.0	4,5 mm (.177)	Diabolo-pellet	round tin	100
2.13627.9	4,5 mm (.177)	Diabolo-pellet	round tin	200
2.13628.7	4,5 mm (.177)	Diabolo-pellet	round tin	500
2.13632.5	5,5 mm (.22)	Diabolo-pellet	round tin	500
2.13631.7	5,5 mm (.22)	Diabolo-pellet	round tin	200



NEW

RWS-Airgun Pellets „Hobby“

corrugated, Diabolo-shape, for shooting with simple weapons of all kinds.

Order-No.	caliber	type	packing	pieces
2.13644.9	4,5 mm (.177)	Hobby-pellet	round plastic box	200
2.13639.2	4,5 mm (.177)	Hobby-pellet	round plastic box	500
2.13646.5	5,5 mm (.22)	Hobby-pellet	round metal box	200
2.13645.7	5,5 mm (.22)	Hobby-pellet	round metal box	500

RWS-Precision Round Lead Balls

RWS-“Punktkugeln”® (round lead balls) “SQUIRREL” brand are fired from airguns with smooth and rifled barrels. The uniform round shape and the exact diameter of each lead ball have a decisive influence on the precision. RWS-“Punktkugeln” are also available in copper-plated finish.



Order-No.	caliber	No. and type	finish	packing	pieces
2.13686.4	4,30 mm	7 round ball	black	round tin	250
2.13687.2	4,35 mm	8 "	"	"	250
2.13688.9	4,40 mm	9 "	"	"	250
2.13689.9	4,45 mm	10 "	"	"	250
2.13690.2	4,50 mm	11 "	"	"	250
2.13691.0	4,55 mm	12 "	"	"	250
2.13696.1	5,40 mm	23 "	"	"	250
2.13700.3	4,40 mm	9 round ball	copper-plated	round tin	250
2.13701.1	4,40 mm	9 "	"	canvas bag	5 kg
2.13703.8	4,45 mm	10 "	"	round tin	250
2.13704.6	4,50 mm	11 "	"	"	250
2.13705.4	4,55 mm	12 "	"	"	250

4 times gold

5 times silver

8 times bronze



Top shooters only participated in the World Shooting Championship in Phoenix/Arizona. The ammunition they brought along was chosen by them. The leading marksmen shot the RWS-Precision Pellet!

And why:
Because the RWS-Precision Pellet has unsurpassable peculiarities:
The smooth and accurate form.
The outstanding guide in the barrel.

The optimum of precision.
The maximum size of shot-hole.

Gold:

Airpistol (Ladies) Single and Team
Airpistol (Men) Team
Air-Rifle (Ladies) Single

Silver:

Airpistol (Ladies) Single and Team
Airpistol (Men) Single and Team
Air-Rifle (Ladies) Team

Bronze:

Airpistol (Ladies) Single and Team
Airpistol (Men) Single and Team
Air-Rifle (Ladies) Single and Team
Air-Rifle (Men) Single and Team

DYNAMIT NOBEL
Your Partner in Hard Competition —
There is no better one

Primers



Dynamit Nobel

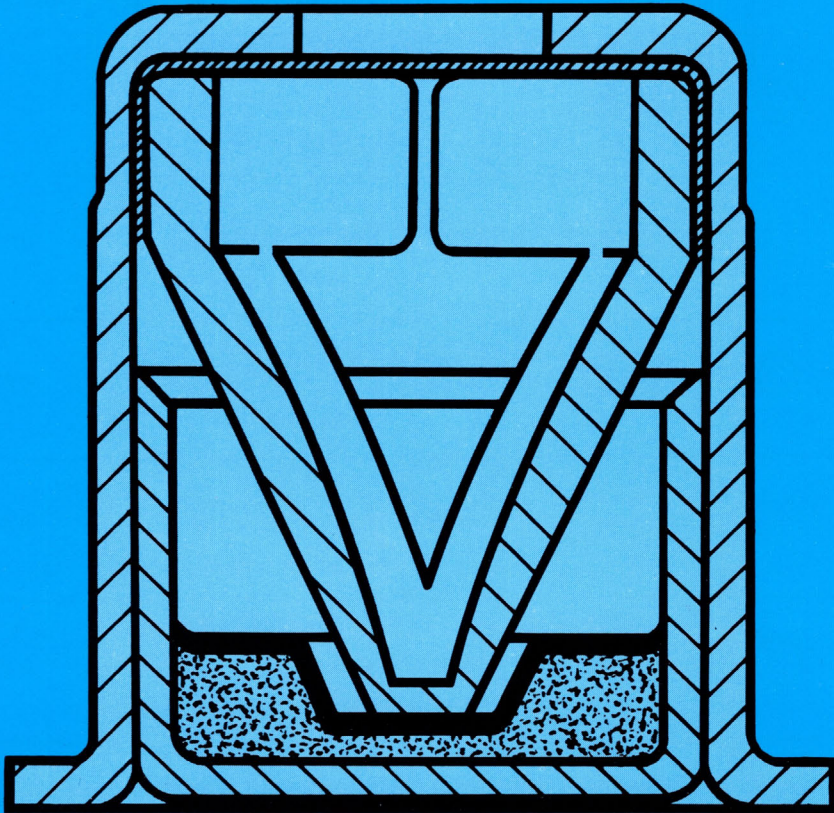


RWS-Primers with the famous SINOXID-priming composition are products of highest perfection and reliability. High sensitivity and shortest igniting time are features of the quality of these products, even in extreme temperatures.



The special composition of SINOXID-primers not only prevents erosion of the barrels but protects them.

Special packaging ensures safe handling and transport of the RWS-primers.



Berdan Primers

Order-No.	plan view 1 : 1	sectional view 2 : 1	primer No.	diameter min.		height max.		thickness of base	
				mm	inch	mm	inch	mm	inch
2.10433.4			4506	4,50	.177	2,20	.09	0,40	.0157
for small pistol cartridges									
2.10434.2			4520	4,50	.177	2,10	.08	0,55	.0217
for small rifle cartridges									
2.10435.0			4521	4,50	.177	2,20	.09	0,40	.0157
for Parabellum (Luger) pistol cartridges									
2.10438.5			5005	5,00	.197	2,20	.09	0,40	.0157
for pistol cartridges									
2.10441.5			5608	5,50	.217	2,80	.11	0,70	.0276
for rifle cartridges									
2.10442.3			5620	5,50	.217	2,65	.10	0,60	.0236
for rifle cartridges									
2.10445.8			6000	6,34	.250	2,95	.11	0,79	.0311
for rifle cartridges									
2.10443.1			6001	6,05	.238	3,40	.13	0,70	.0276
for Magnum rifle cartridges									
2.10446.6			6504	6,45	.254	2,35	.09	0,45	.0177
for large rifle cartridges									

Anvil Primers (Boxer Primers)

Order-No.	plan view 1 : 1	sectional view 2 : 1	primer No.	diameter min.		height max.		thickness of base	
				mm	inch	mm	inch	mm	inch
2.10225.0			4031	4,44	.175	3,10	.12	0,42	.0165
for small pistol and revolver cartridges									
2.10228.5			4033	4,45	.175	3,12	.12	0,50	.0197
for small rifle cartridges									
2.10239.0			5333	5,33	.210	3,30	.13	0,64	.0252
for large rifle cartridges									
2.10231.5			5337	5,33	.210	3,12	.12	0,45	.0165
for large pistol and revolver cartridges									
2.10235.8			5341	5,33	.210	3,30	.13	0,64	.0252
for large rifle cartridges									
2.10238.2			5342	5,33	.210	3,30	.13	0,70	.0276
for large rifle cartridges									

Packing: All Anvil primers in boxes of 250 pieces.

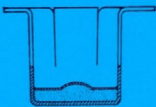
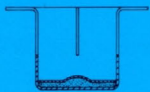
All Berdan primers in boxes of 250 pieces except Nos. 6000, 6001 and 6504 in boxes of 100 pieces.

Primers for Shotshells

Order-No.	plan view 1 : 1	sectional view 2 : 1	primer No.	diameter min.		height max.		box of
				mm	inch	mm	inch	
2.10168.8			VI (Gévelot- type)	5,68	.224	6,60	.27	100
2.10144.0			RW 209 S (battery cup, American sensitivity)	6,17	.243	7,50	.29	100
2.10145.9			RW 209 SE (battery cup, European sensitivity)	6,17	.243	7,50	.29	100

Percussion and Musket Caps

For muzzle loading guns and pistols

Order-No.	plan view 1 : 1	sectional view 2 : 1	primer No.	diameter min.		height max.		finish
				mm	inch	mm	inch	
2.10520.9			1075	4,47	.17	4,20	.17	ribbed "U" brand
2.10519.5			1055	4,55	.18	5,50	.22	ribbed
2.10389.3			1218	5,90	.23	6,30	.22	6 flanges
2.10528.4			1081	6,12	.24	6,00	.24	4 flanges

Centerfire Blank Cartridges Signal and Firework Cartridges



Dynamit Nobel



RWS-Centerfire Blank Cartridges and GECO-Signal Cartridges cause an extremely loud report equal to the live-shot. These cartridges are perfectly suitable for scaring off an assailant,



for use in starter pistols or just for an acoustic signal. Most spectacular effects can be achieved when using our signal stars or firework- and signal cartridges.



Centerfire Blank Cartridges



Order-No.	description	packing	box of
2.13078.5	cal. 6 mm (.22) Flobert caps without ball	round tin	250
2.13281.8	cal. .22 long blank cartridge with black powder	cardboard box	50
2.13462.4	cal. 7 mm (.320) centerfire blank cartridge with black powder	cardboard box	50
2.13463.2	cal. 9 mm (.380) centerfire blank cartridge with black powder	cardboard box	50
2.13484.5	cal. 12 alarm cartridge	cardboard box	10
2.13485.3	cal. 16 alarm cartridge	cardboard box	10

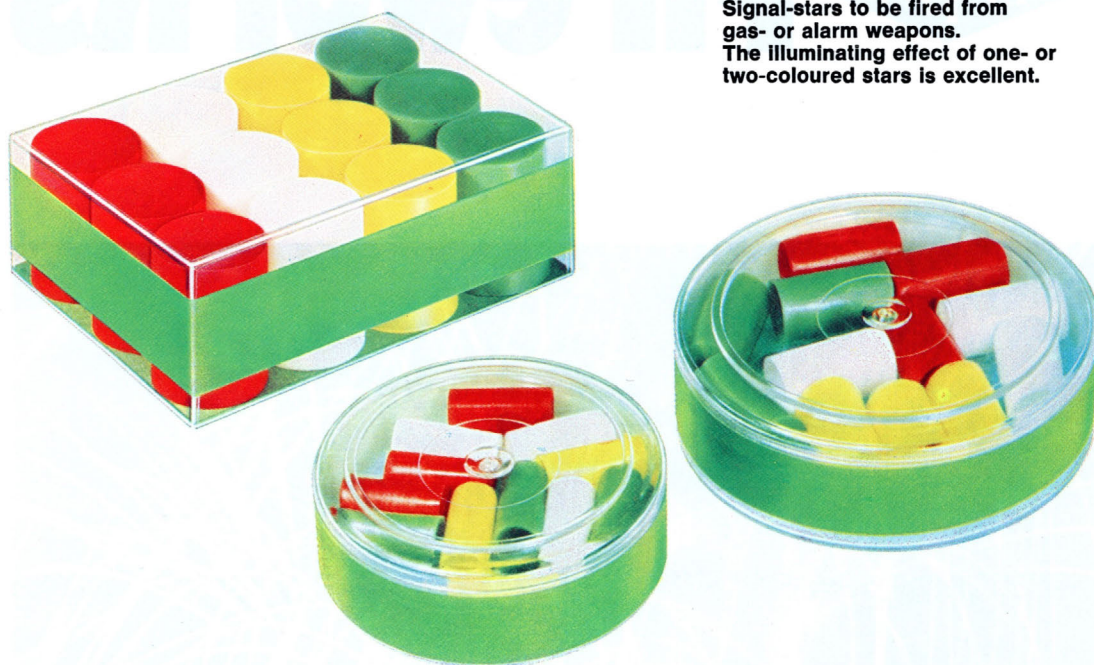
Special air crackers for scaring off birds from vineyards and fruit plantations. To be fired from appropriate starter guns with adapters.



Order-No.	description	packing	box of
2.21290.0	15 mm special air crackers	cardboard box	100

Signal- and Firework Cartridges

Signal-stars to be fired from gas- or alarm weapons. The illuminating effect of one- or two-coloured stars is excellent.



Order-No.	description	packing	box of
2.21302.8 ☐	7 mm signal stars, assorted colours	round tin	12
2.21303.6 ☐	9 mm signal stars, assorted colours	round tin	12
2.21304.4	15 mm signal stars, assorted colours	square tin	12
☐	15 mm signal stars, red	square tin	12



Signal-cartridge with single star and smokeless powder. To be fired from shotguns.

2.21271.4	cal. 12 single star, assorted in four colours	cardboard box	10
2.21272.2	cal. 16 single star, assorted in four colours	cardboard box	10



Firework-cartridge with smokeless powder. To be fired from shotguns.

2.21269.2	cal. 12, in 5 effects	cardboard box	10
2.21270.6	cal. 16, in 5 effects	cardboard box	10

☐ in preparation



Fireworks



Catalogue and offer on request!

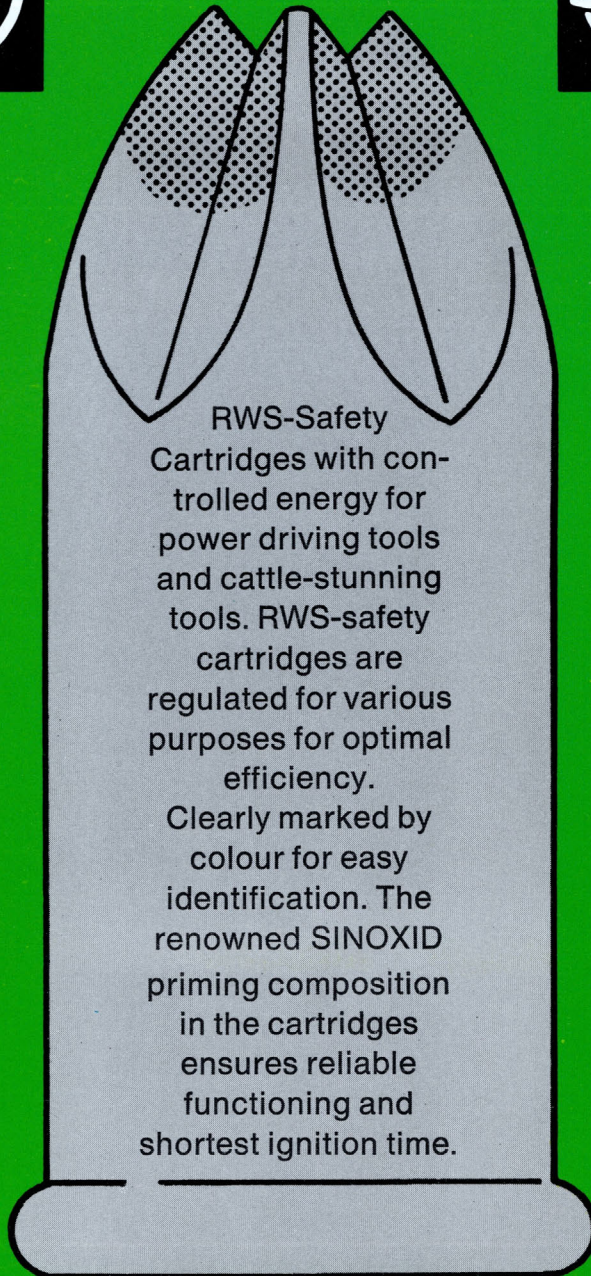
- * crackers and howlers
- * rockets
- * sparklers and bengalese fire cartridges
- * assortment of sales-sets

Dynamit Nobel Big fireworks can also be arranged, offer on request.

Industrial Ammunition



Dynamit Nobel



RWS-Safety
Cartridges with controlled energy for power driving tools and cattle-stunning tools. RWS-safety cartridges are regulated for various purposes for optimal efficiency.
Clearly marked by colour for easy identification. The renowned SINOXID priming composition in the cartridges ensures reliable functioning and shortest ignition time.

RWS-Safety Cartridges for power driving tools with SINOXID priming composition

Order-No.	caliber	colour	suitable for following tools	packing
2.14078.0 2.14079.9 2.14080.2 2.14081.0	rimfire 5,6/16/.22 crimped	green yellow blue red black	stud driving tools	100
2.14149.3 2.14150.7 2.14151.5 2.14152.3	rimfire 6,3/12/.25 crimped	green yellow red black	stud thrusting tools	100
2.14098.5 2.14099.3 2.14100.0 2.14101.9 2.14103.5	rimfire 6,3/16/.25 rolled	green yellow blue red black	stud driving tools limited for stud thrusting tools	100
2.14109.4 2.14110.8 2.14113.2 2.14111.6 2.14112.4	rimfire 6,3/16/.25 crimped	green yellow blue red black	stud driving tools limited for stud thrusting tools	100
2.14124.8 2.14125.6 2.14126.4 2.14127.2 2.14129.2	centerfire 10 x 18 rolled	green yellow blue red black	stud driving tools	50

RWS-Cattle Killing Cartridges for Cattle and Sheep Stunning Tools

RWS-Cattle Killing Ammunition, cal. 9 mm, crimped, is suitable for most domestic and foreign made tools. The sturdy brass cases prevent any jamming within the tool. Consequently, easy removal of cases after the shot. The charge is protected against moisture by a water-resistant sealer on the cartridge mouth. The genuine SINOXID priming composition in the primer ensures uniform ignition and long shelf life.

Order-No.	caliber	colour	purpose	packing
2.14164.7	9 mm	green	small cattle	50
2.14165.5	9 mm	yellow	big cattle	50
2.14166.3	9 mm	blue	bulls and oxen	50
2.14167.1	9 mm	red	heaviest bulls	50
2.14078.0	5,6/.22	green	for Cash-	100
2.14079.9	5,6/.22	yellow	sheep- and cattle stunning tools	100



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